

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/001097

## A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. <sup>7</sup>: E02B-011/00, E03B-003/04, E03B-005/00, E02B-015/04, E02B-015/10, E02D-019/00, E21F-016/00, B65G-053/26, B65G-053/24, B65G-065/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: IPC E03B 3/04, 5/00, 3/06, E03B 3/11, E02B 3/02, E02B 15/04, E02B 15/10, E02D 19/00, E21F 16/00 B65G 53/26, B65G 53/24, B65G 65/40, E02B 11/00 and BAIL, EMPTY, DRAIN, SURFACE, HOLLOW, SPHERE, SHELL and so on

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 789 307 A (SLOAN) 6 December 1988 whole document	1 - 23
X	EP 0 031 112 B (MESSNER) 7 March 1984 Whole document	1 - 23
X	FR 2 429 378 A ( SOCIETE EUROPEENNE DE PROPULSION) 18 January 1980 Whole document	1 - 23
X	GB 1 020 712 A (JOHN CLARK PUMPS LIMITED) 23 February 1966 Whole document	1 - 23

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 7 October 2004	Date of mailing of the international search report 18 OCT 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT. 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer  VENKAT IYER Telephone No : (02) 6283 2144

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 029 254 A (BASSET) 19 March 1980 Whole document	1 - 23
X	Derwent Abstract Accession No. 96-275939/28, Class Q 42, RU 2047685 C (OIL GAS SAFETY IND SANITATION RES INST) Abstract	1 - 23

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
**PCT/AU2004/001097**

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
EP	31112	NONE					
EP	87548	NONE					
FR	2429378	NONE					
GB	1020712	NONE					
GB	2029254	CH	624724	DE	2920977	FR	2436220
RU	2047685	NONE					
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							